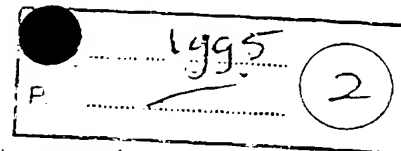


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OSIS / BIOSIS



- AN - PREV199598476864
- TI - Nutritional assessment of Vernonia amygdalina leaves in growing mice.
- AB - The elemental analyses of the leaves of Vernonia amygdalina and the laboratory experiments with mice, fed diets containing V. amygdalina leaves, their alcohol extracts, or purified saponins, were performed. Feeding 2-week-old growing mice of both sexes with the standard diets amended with 25% dry V. amygdalina leaves or equivalent amounts of alcohol extracts or crude or purified saponins for 14 days did not alter their feeding performance. However, these treatments caused significant reduction in body weight gain and increased urinary and fecal output, compared with the control group. At necropsy, the Ever weights were reduced. The stomachs and small intestines were enlarged, compared to the control groups. It was concluded that care has to be taken when using the leaves for cooking soups and that saponins should be thoroughly washed out during the debittering process. Consumption of tonics containing V. amygdalina saponins may create some health hazard.
- HW - ** Major Concepts **
Biochemistry and Molecular Biophysics; Digestive System (Ingestion and Assimilation); Foods; Methods and Techniques; Morphology; Nutrition; Pathology; Pharmacognosy (Pharmacology); Pharmacology; Physiology; Public Health (Allied Medical Sciences); Toxicology
- ** Organisms **
mammal (Mammalia - Unspecified); vegetable (Angiospermae); Hominidae (Hominidae); Muridae (Muridae); Vernonia amygdalina (Compositae)
- ** Taxanotes **
angiosperms; animals; chordates; dicots; humans; mammals; nonhuman mammals; nonhuman vertebrates; plants; primates; rodents; spermatophytes; vascular plants; vertebrates
- ** Super Taxa **
Angiospermae: Angiospermae, Spermatophyta, Plantae; Compositae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Hominidae: Primates, Mammalia, Vertebrata, Chordata, Animalia; Mammalia - Unspecified: Mammalia, Vertebrata, Chordata, Animalia; Muridae: Rodentia, Mammalia, Vertebrata, Chordata, Animalia
- AW - ** Miscellaneous Descriptors **
COOKING; DIETS; FEEDING PERFORMANCE; FOLK MEDICINE; FOOD CHEMISTRY; HUMAN HEALTH HAZARDS; MEDICINAL PLANT; NECROPSY; ORGAN WEIGHT; PHYSIOLOGY; SAPONINS; SOUPS; TONICS; TOXICITY; WEIGHT GAIN
- PBC - 25840 86215 86375
- PCC - 01004
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